

DRMI and IR Surveys

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Broad Brush Comments

- IR survey science is the most likely to garner broad community support
- good/okay turnout at WFIRST meeting in Pasadena; overview talks by Mike Brown (Solar System), Lynne Hillenbrand (Galactic studies), DS (extragalactic) + ~10 focussed talks (e.g., resolved stellar populations, tidal debris streams, high-redshift quasars, ...)
- Scope of contribution to June report?
- As per Rachel's comment, WFIRST Science Book?
- Identify "killer apps". Additional consultants needed?
- Outreach? Wiki? Tweeting?

Killer Apps for IDRM

- $z > 7$ QSOs (expect 1000's)
- $z > 1$ galaxy formation & evolution (COSMOS over 1000's of square degrees)
- Galactic studies: red giants, time domain, cool stars (BD's + He WD's)
- GI programs, representing 10% of base mission
 - nearby galaxies / resolved stellar populations
 - galaxy clusters
 - non-uL exoplanet science

What's Missing in IDRM?

- Grism science
- Ancillary science from SN and uL data sets
- Solar system science
- More on resolved stellar populations in local Universe
- AGN science / appeal to X-ray community
- More specifics